









## COCONINO COUNTY

FLAGSTAFF, AZ — OCTOBER 2014

### THE SUN VALLEY SOLAR DIFFERENCE

After assessing Coconino County's needs, SVSS was able to:

- Simultaneously engineer and install multiple solar PV systems at four Flagstaff facilities
- Offset the equivalent amount of energy generated by burning more than 1.6 million pounds of coal
- Save the county an estimated \$2.3 million over 25 years through predictable energy costs
- Help the county diversify its energy portfolio and save taxpayer dollars

KEY FACTS	
	LOCATION: FLAGSTAFF, AZ
	SYSTEM SIZE: 1.2 MW
	PANELS: SUN EDISON
	INVERTERS: ADVANCED ENERGY
	ANNUAL PRODUCTION: 2,128,961 KWH
	SAVINGS: \$92,000/YEAR

### WHY SOLAR

We have a long-term perspective on managing our energy portfolio: we've become more energy efficient, but the cost of what we do use will continue to increase as rates keep going up.

**MANDY METZGER**

Part of a concerted effort to diversify its energy portfolio and save taxpayer dollars, Coconino County installed solar panels at four Flagstaff facilities. Since commissioning in 2015, Coconino County has been harnessing the power of 264 sunny days in Flagstaff to offset electricity costs at the County Health and Community Services building, the City of Flagstaff/Sheriff's Office Law Enforcement Administrative Facility (LEAF), the County Jail, and Juvenile Services buildings. These four buildings account for more than 60% of the county's total electricity consumption, according to County Board of Supervisors Chairwoman Mandy Metzger.





# SUN VALLEY SOLAR SOLUTIONS

## THE SYSTEM

Sun Valley Solar engineered a PV system that spanned across 3 rooftop installations and 17 custom parking structures. The County is leasing the solar space in parking areas and on roofs in return for the energy produced at a lower set rate over the next 25 years. The County also recently upgraded climate control systems to increase efficiency and reduce energy consumption.



More than 1,000 high-efficiency modules were installed across 4 sites



The installation was comprised of 3 rooftop installations and 17 custom parking structures



18 Advanced Energy inverters were selected for the county's jail

## THE BENEFITS

These projects are vital to saving tax dollars and are great examples of pairing rural resourcefulness with new opportunities to become more efficient for the future to come.

**MANDY METZGER**

Coconino County is set to save an estimated \$2.3 million over 25 years with their 1.2 MW solar energy system. The environmental benefits are equally impressive. The new PV system is projected to offset the equivalent amount of energy generated by burning more than 1.6 million pounds of coal or 3 million miles driven in the average car annually. The solar projects continue the County's efforts to increase energy efficiency and explore alternate sources of energy at multiple facilities.

## ABOUT SUN VALLEY SOLAR

Sun Valley Solar Solutions is the largest Arizona-based solar energy company. With more than 12 years in business, they've installed over 124 gigawatts of energy and have helped thousands of homeowners and businesses save on their electric bills and find ways to turn sunshine into savings.

